KODIAK®
POWER EQUIPMENT

Operating Instructions

And Parts Manual

SXB12000HXV serial # 21051 forward

Dynablast Division

Division of John Brooks Company Limited

Mississauga, Ontario L5N 7K5

Warranty

This product is warranted to be free of defects in materials and workmanship under normal use and service, for a period of one year from the date of purchase, when operated and maintained in accordance with the operating and maintenance instructions supplied with this unit. This warranty does not cover misuse or negligence.

This warranty is extended only to the original purchaser warranty is void if repairs are attempted by anyone than an authorized service centre.

If difficulty develops with this product, you should contact your nearest authorized service centre, or JOHN BROOKS COMPANT LIMITED. Only these locations are authorized to make repairs to the product or affects replacement of defective parts, which will be done at no charge within a reasonable time after receipt of the product. Units or parts should be returned at the customer's expense to the nearest JOHN BROOKS location or authorized service centre. Pack unit in a strong carton and pad tightly to avoid damage. Damage in transit is not covered by warranty. Include original purchase receipt with any claim (keeping a copy for your files)

JOHN BROOKS COMPANY LIMITED's liability under warranty is limited to repair of the product and/or replacement of parts and is given to the purchaser in lieu of all other remedies including incident and consequential charges. There are no express incidental and consequential charges. There are no express warranties other than those specified herein.

For the nearest Authorised Service Centre call:

Tel : 1 888 881 6667

Fax: 1 800 350 5666

PRODUCT SPECIFICATIONS

Model	SXB12000HX (V)
Engine	HONDA OHV
AC Output (watts)	
- maximum	12,000
- rated continuous	10,000
Rated Amperage (A) [120V]	92/120V
[240V]	42/240V
Frequency (Hz)	60
Voltage (volts)	120/240
Fuel Tank Capacity (l)	40
Run time (hours)- 1/2 load	10
- full load	7 1/2
Weight (lbs)	348
Dimensions (inches)	
- length	32
- width	22
- height	29
Oil Alert System	YES
Overload protection	YES
System Starting	ELECTRIC

The SXB12000HX (V) generator has been designed with ease of portability, quiet operation, dependability and versatility in mind. This generator is powered by Honda's proven and reliable engine, which features Oil Alert for enhanced operational reliability. The alternator features a brushless design eliminating the need for costly carbon brush replacement and increases the service life of the generator.

Ideally suited for camping, boating, farm, household, workshop and construction usage, this generator is ideal when remote, or back-up power is required.

In order to determine the power requirements of the equipment you wish to operate, please consult the chart on the next page. The ratings indicated are approximations only. You should always check the startup and running wattage requirements of the equipment you intend to use.

Generator Usage	Start Watts	Running Watts	SXB12000HX (V)
Refrigerator, Freezer	2500	700	Y
Toaster		1050	Y
Microwave		950	Y
Coffee Maker	1500	850	Y
Washing Machine	2000	750	Y
Furnace Fan	1400	700	Y
Sump Pump	2500	600	Y
TV		350	Y
Circular Saw	1500	750	Y
Drill	1000	250	Y
Sander	1000	375	Y
Y= WILL OPERATE C= CHECK EQUIPMENT WATTAGES PLEASE NOTE THAT THIS CHART REPRESENTS A SAMPLE OF APPLICATIONS ONLY.			

Safety Precautions

Careful operation is your best insurance to prevent accidents and mishaps. Read this section carefully before operating your generator. All operators, no matter how much experience they have acquired, should familiarize themselves with the capabilities of this generator and the precautions outlined in this manual.

1. To prevent electrical shocks, do not operate this generator in the rain or with wet hands.
2. Do not refuel the engine while it is in operation or is still hot.
3. Do not refuel the engine near open flames, pilot lights, or sparking electrical devices (e.g. power tools, welders, or grinders).
4. The engine should be refueled in a well-lit area.
5. Avoid fuel spillage.
6. Do not use any other fuel except gasoline (or as specified by the engine manufacturer).
7. Do not operate the generator near flammable products.
8. Do not operate the generator in areas with poor ventilation. The exhaust fumes contain carbon monoxide, a poisonous, odorless, invisible gas. Prolonged exposure can lead to unconsciousness and death.
9. Do not connect the generator to a commercial power line.
10. Do not operate any generator with missing or broken parts. Contact your dealer for replacement parts.
11. The generator should be grounded in damp or highly conductive conditions.
12. Do not operate with damaged or defective extension cords, or power cords. Never operate any electrical equipment with damaged or defective cords.
13. Always check the engine oil level before starting. Fill as necessary

referring to the Honda Engine Owners Manual for the specified engine oil.

14. Do not cover the generator while it is in operation. Overheating can result in damaged equipment.
15. For storage, do not cover the generator until it has completely cooled down.
16. The ambient temperature should not exceed 100°F/40°C.

Before starting, read and understand all safety instructions included in this manual.

Starting Operation

1. Locate the generator on flat terrain, away from water hazards and/or flammable liquids. Check all electrical cords for cracked or exposed wires. Replace if necessary.
2. Follow the engine starting procedures contained in the Honda Engine Owners Manual. Once started, allow the engine to reach operational temperature for a few minutes without applying load on the alternator.
3. Make sure that the appliance is switched off before connecting it to the generator. Do not move the generator while it is running.
4. Be sure to ground the generator if the connected appliance is grounded. **Failure to ground the generator may lead to electrical shock.**
5. If the generator is overloaded, or short-circuited, a breaker switch is automatically tripped, preventing electrical current from being supplied to the appliance. Check the appliance to ensure that the start-up wattage requirements does not exceed the capacity of the generator. Press the reset button.

Shutdown Procedure

1. Turn off the power switch of the electrical appliance and disconnect from the generator.
2. Allow the engine to cool down for approximately 3 minutes at no load.
3. Refer to the Honda Engine Owner's Manual for engine shutdown procedures.
4. Remove any mud, dirt or condensation from the generator. Store in a dry place.

Maintenance and Storage

(Please refer to the Honda Engine Owner's Manual)

Periodic inspection and maintenance of the Honda engine are essential if a high level of performance is to be maintained. Regular maintenance will also ensure a long service life. The required service intervals and kind of maintenance to be performed are described and outlined in the Honda Engine Owner's Manual.

Transportation and Storage

(Please refer to the Honda Engine Owner's Manual)

When transporting the generator, turn the fuel valve OFF and keep the engine level to prevent fuel spillage.
When the generator will be stored over long periods, carry out the following maintenance. (Please refer to the Honda Engine Owner's Manual)

a) Store the generator in a well-ventilated, low humidity area.
b) Clean each part with an oil-soaked rag.
c) Change the engine oil.
d) Clean the air cleaner.
e) Empty the gasoline from the fuel tank and carburetor.
f) Pull the recoil starter until resistance is felt, leaving the handle in that position.

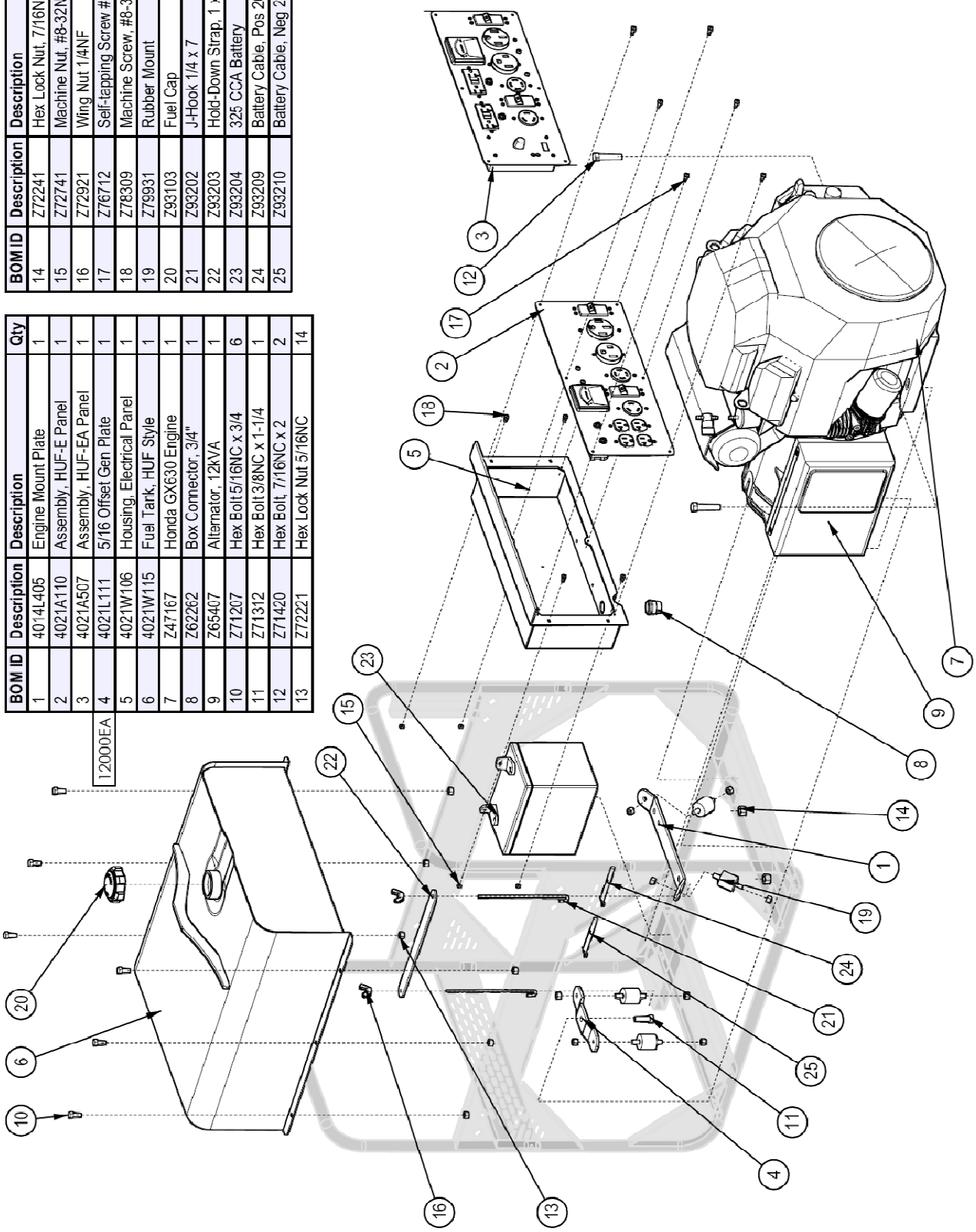
Caution: Never use water to clean the generator.

Parts Breakdown for SXB12000HXV

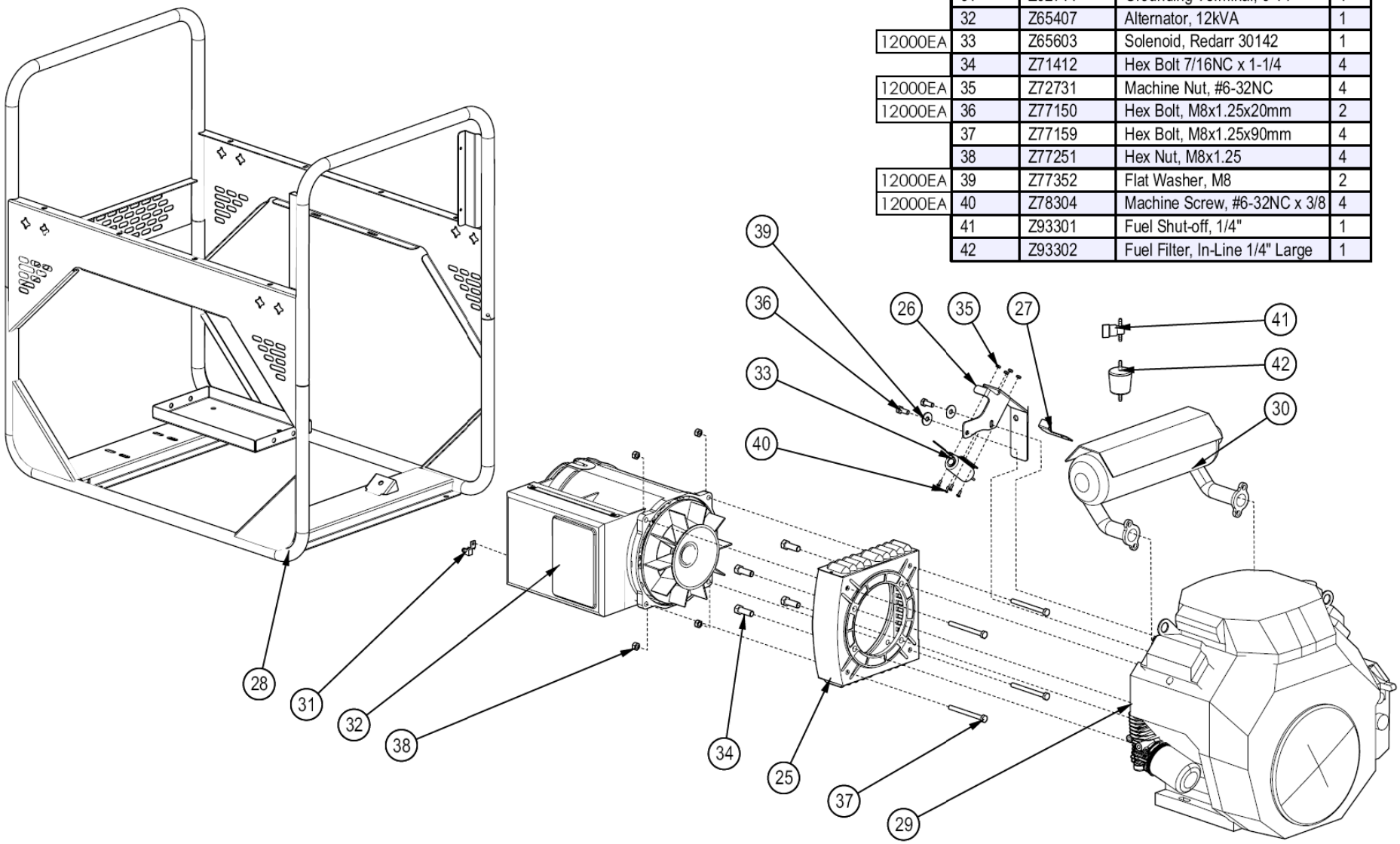
BOM ID	Description	Description	Qty
1	4014L405	Engine Mount Plate	1
2	4021A110	Assembly, HUF-E Panel	1
3	4021A507	Assembly, HUF-EA Panel	1
4	4021L111	5/16 Offset Gen Plate	1
5	4021W106	Housing, Electrical Panel	1
6	4021W115	Fuel Tank, HUF Style	1
7	Z47167	Honda GX630 Engine	1
8	Z62262	Box Connector, 3/4"	1
9	Z65407	Alternator, 12kVA	1
10	Z71207	Hex Bolt 5/16NC x 3/4	6
11	Z71312	Hex Bolt 3/8NC x 1-1/4	1
12	Z71420	Hex Bolt, 7/16NC x 2	2
13	Z72221	Hex Lock Nut 5/16NC	14

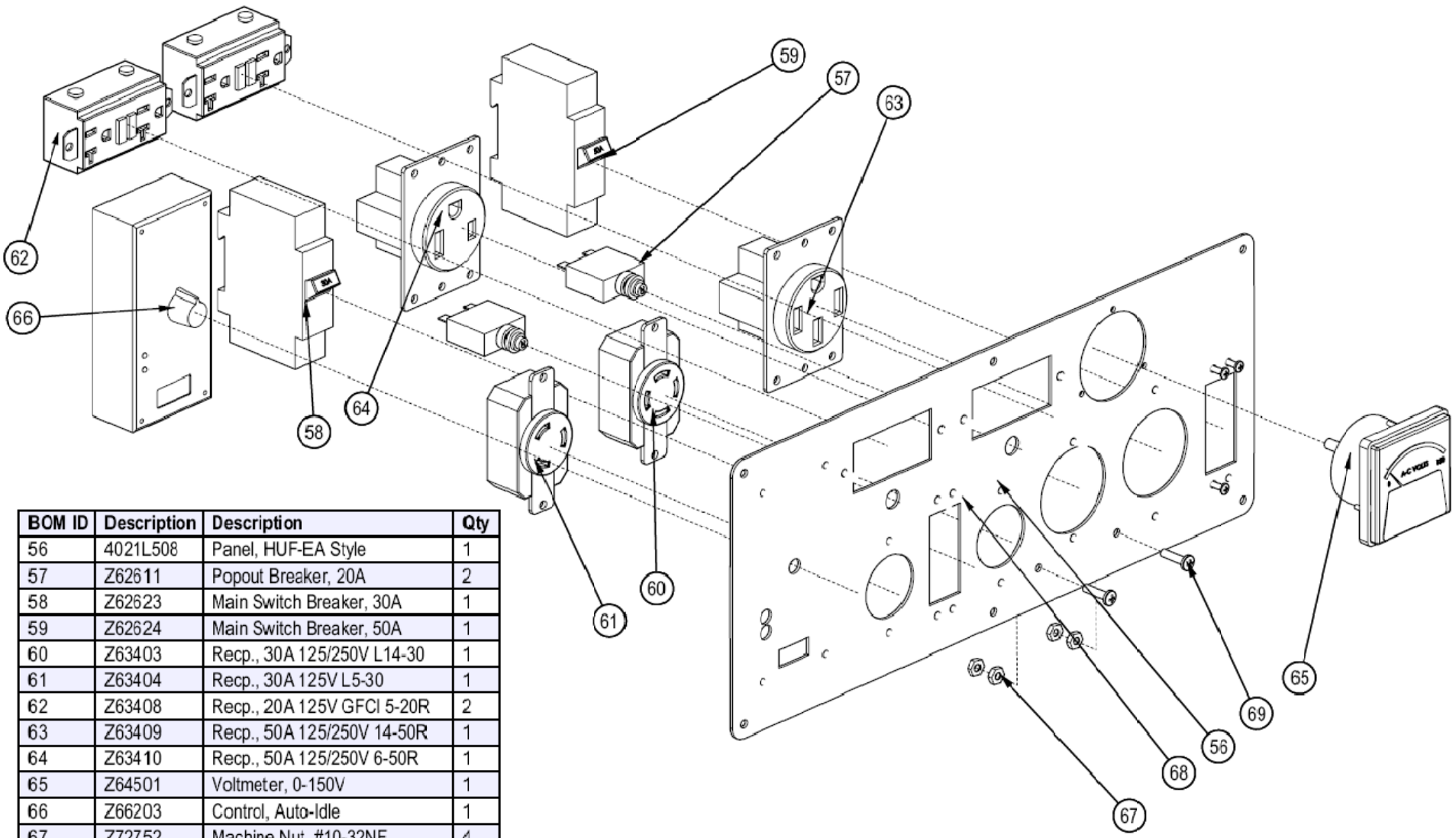
BOM ID	Description	Description	Qty
14	Z72241	Hex Lock Nut, 7/16NC	2
15	Z72741	Machine Nut, #8-32NC	4
16	Z72921	Wing Nut 1/4NF	2
17	Z76712	Self-tapping Screw #10	6
18	Z78309	Machine Screw, #8-32NC x 1/2	4
19	Z79931	Rubber Mount	4
20	Z93103	Fuel Cap	1
21	Z93202	J-Hook 1/4 x 7	2
22	Z93203	Hold-Down Strap, 1 x 10-1/2	1
23	Z93204	325 CCA Battery	1
24	Z93209	Battery Cable, Pos 20"	1
25	Z93210	Battery Cable, Neg 25"	1

12000EA



	BOM ID	Description	Description	Qty
	25	0391700143	Drive End Bracket	1
12000EA	26	4021L506	Solenoid Mount Bracket	1
12000EA	27	4021L507	Actuator Arm	1
	28	4021W116	Frame, HUF Style	1
	29	Z47167	Honda GX630 Engine	1
	30	Z47169	GX630-690 Muffler	1
	31	Z62711	Grounding Terminal, 6-14	1
	32	Z65407	Alternator, 12kVA	1
12000EA	33	Z65603	Solenoid, Redarr 30142	1
	34	Z71412	Hex Bolt 7/16NC x 1-1/4	4
12000EA	35	Z72731	Machine Nut, #6-32NC	4
12000EA	36	Z77150	Hex Bolt, M8x1.25x20mm	2
	37	Z77159	Hex Bolt, M8x1.25x90mm	4
	38	Z77251	Hex Nut, M8x1.25	4
12000EA	39	Z77352	Flat Washer, M8	2
12000EA	40	Z78304	Machine Screw, #6-32NC x 3/8	4
	41	Z93301	Fuel Shut-off, 1/4"	1
	42	Z93302	Fuel Filter, In-Line 1/4" Large	1

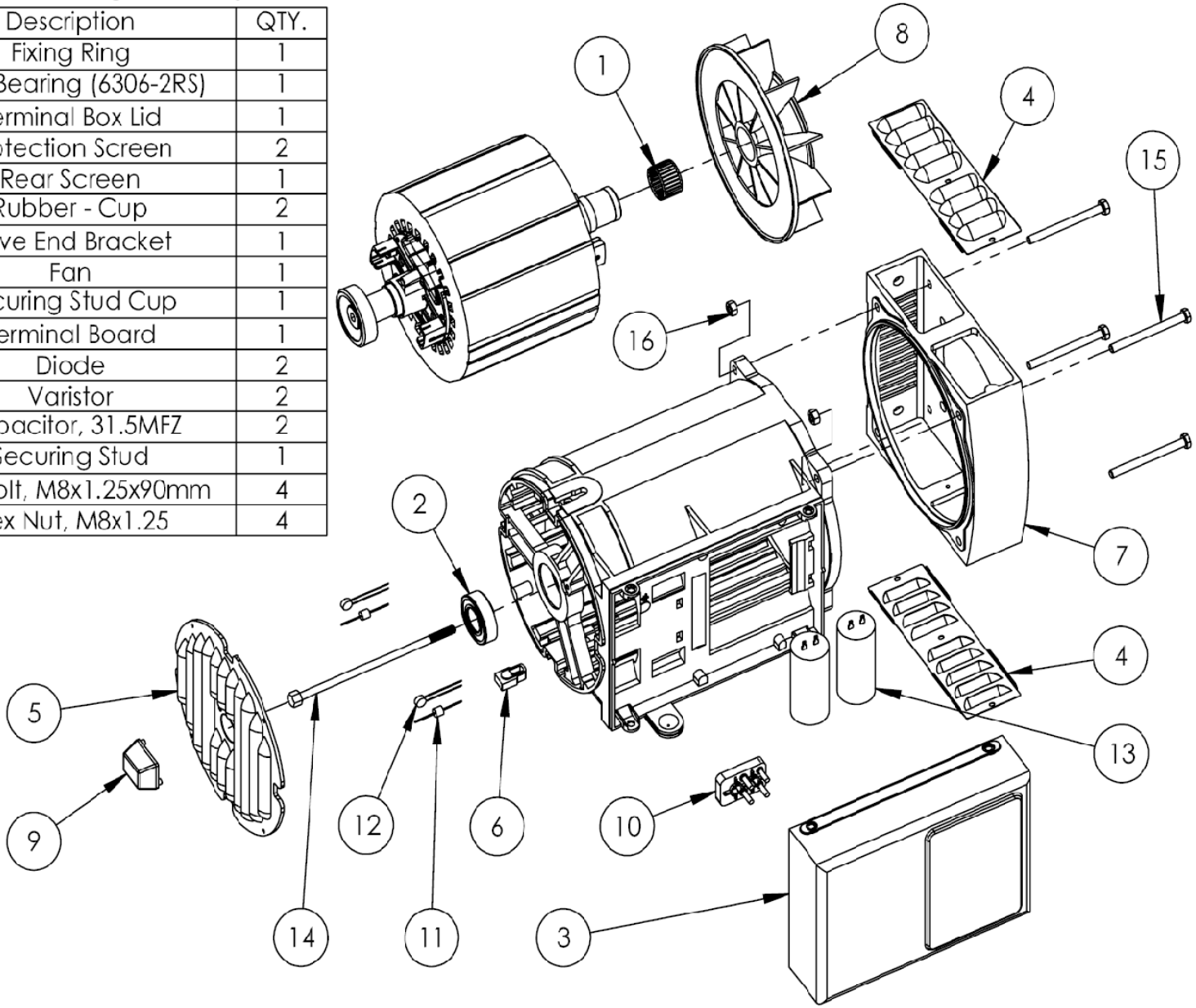


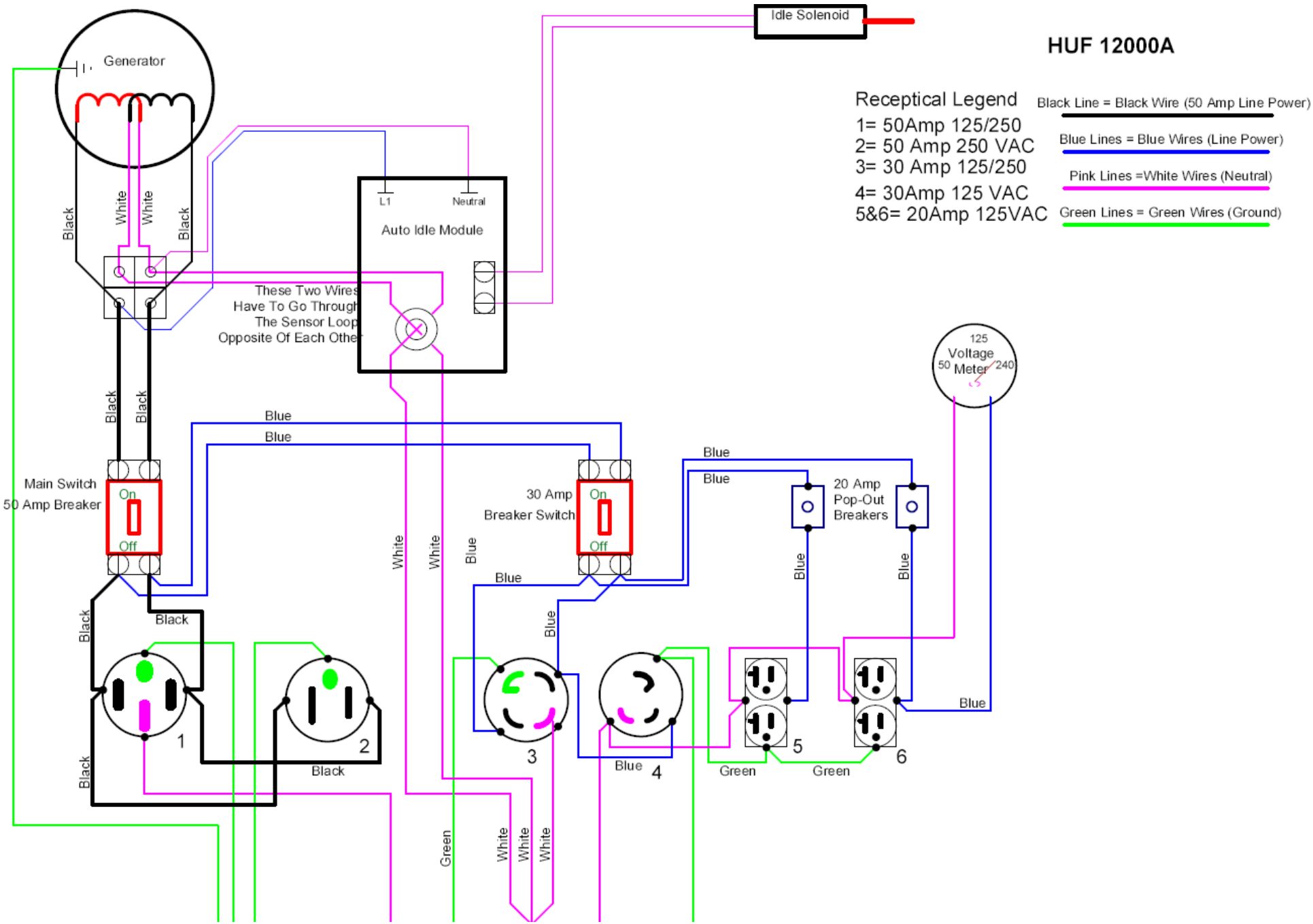


BOM ID	Description	Description	Qty
56	4021L508	Panel, HUF-EA Style	1
57	Z62611	Popout Breaker, 20A	2
58	Z62623	Main Switch Breaker, 30A	1
59	Z62624	Main Switch Breaker, 50A	1
60	Z63403	Recp., 30A 125/250V L14-30	1
61	Z63404	Recp., 30A 125V L5-30	1
62	Z63408	Recp., 20A 125V GFCI 5-20R	2
63	Z63409	Recp., 50A 125/250V 14-50R	1
64	Z63410	Recp., 50A 125/250V 6-50R	1
65	Z64501	Voltmeter, 0-150V	1
66	Z66203	Control, Auto-Idle	1
67	Z72752	Machine Nut, #10-32NF	4
68	Z78304	Machine Screw, #6-32NC x 3/8	24
69	Z78316	Machine Screw, #10-32NF x 3/4	2

Z65407 12kVA ALTERNATOR PARTS

ITEM	PART NO.	Description	QTY.
1	0390100211	Fixing Ring	1
2	0390302511	Rear Bearing (6306-2RS)	1
3	0390501015	Terminal Box Lid	1
4	0390700009	Protection Screen	2
5	0390700011	Rear Screen	1
6	0390700306	Rubber - Cup	2
7	0391700143	Drive End Bracket	1
8	0392000033	Fan	1
9	9909505006	Securing Stud Cup	1
10	9909915060	Terminal Board	1
11	9910356050	Diode	2
12	9910384005	Varistor	2
13	GECAP31MF	Capacitor, 31.5MFZ	2
14	GESS262MM	Securing Stud	1
15	Z77159	Hex Bolt, M8x1.25x90mm	4
16	Z77251	Hex Nut, M8x1.25	4




HUF 12000A
Idle Solenoid
Generator
Receptical Legend
1= 50Amp 125/250
2= 50 Amp 250 VAC
3= 30 Amp 125/250
4= 30Amp 125 VAC
5&6= 20Amp 125VAC
Black Line = Black Wire (50 Amp Line Power)
Blue Lines = Blue Wires (Line Power)
Pink Lines =White Wires (Neutral)
Green Lines = Green Wires (Ground)
L1
Neutral
Auto Idle Module
These Two Wires
Have To Go Through
The Sensor Loop
Opposite Of Each Other
125
Voltage
50
Meter
240
Main Switch
50 Amp Breaker
On
Off
30 Amp
Breaker Switch
20 Amp
Pop-Out
Breakers
Black
White
Blue
Green
1
2
3
4
5
6

Troubleshooting

The majority of problems with generator units are with the engine. Please refer to the Honda Engine Owner's Manual if engine problems arise. If the problem persists, contact your local Honda Equipment Dealer.

Trouble	Cause	Remedy
Alternator excitation failure	Low speed.	Check rpm and set at nominal value
	Faulty condenser	Check and replace
	Faulty windings	Check windings resistance
High no-load voltage	Speed too high	Check and adjust rpm
	Condenser with high capacity	Check and replace
Low no-load voltage	Speed too low	Check and adjust rpm
	Faulty rotary diodes	Check and replace
	Breakdown in windings	Check winding resistance, as per tables
	Condenser with low capacity	Check and replace
Proper no-load but low loaded voltage	Low loaded speed	Check and regulate rpm
	Load too big	Check and change
	Rotary diodes short-circuited	Check and replace
Proper no-load but high loaded voltage	High speed in load condition	Check and regulate rpm
Unstable voltage	Loose contacts	Check connections
	Uneven rotation	Check for uniform rotation speed
Noisy generator	Broken bearings	Replace
	Poor coupling	Check and repair

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